

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20040205335".pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 14:08
S2	1	((SANG-DO) near2 (PARK)).INV.	USPAT	OR	ON	2007/09/17 15:11
S3	17	((SANG-DO) near2 (PARK)).INV.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 12:37
S4	2	("20020116637").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 12:39
S5	7	ergezinger and authentication	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 12:40
S6	3	ergezinger and verification	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 12:40
S7	4061	@ad<"20030411" and (signature) and (device near5 (authenticat\$3 verif\$5))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 14:08
S8	237	@ad<"20030411" and (signature) and (device near5 (authenticat\$3 verif\$5)) and (((public adj key) signature) near5 manufact\$5)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 14:09
S9	217	@ad<"20030411" and (signature) and (device near3 (authenticat\$3 verif\$5)) and (((public adj key) signature) near5 manufact\$5)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 14:09
S10	140	@ad<"20030411" and ((signature) same (device near3 (authenticat\$3 verif\$5))) and (((public adj key) signature) near5 manufact\$5)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 14:29
S11	11	@ad<"20030411" and ((signature) same (device near3 (authenticat\$3 verif\$5))) and (((public adj key) signature) near5 manufact\$5) and gateway	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 14:34
S12	4	@ad<"20030411" and ((signature) same (device near3 (authenticat\$3 verif\$5))) and (((public adj key) signature) near5 manufact\$5) and (gateway same (keys! verif\$5 authenticat\$3))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 14:36

EAST Search History

S13	35	@ad<"20030411" and ((gateway router) same (authenticat\$3 verif\$5)) and (((public adj key) signature) near5 manufact\$5)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 08:54
S14	656	@ad<"20030411" and (gateway router) same (authenticat\$3 verif\$5) same ((public adj key) signature)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 15:01
S15	168	@ad<"20030411" and (gateway router) same (authenticat\$3 verif\$5) same ((public adj key) signature) same access\$4	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 15:02
S16	284	@ad<"20030411" and (gateway router) same (authenticat\$3 verif\$5) same ((public adj key) signature certificate) same access\$4	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 15:02
S17	63	@ad<"20030411" and (gateway router) same (authenticat\$3 verif\$5) same (signature certificate) same (public adj key) same access\$4	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 09:06
S18	6	@ad<"20030411" and (gateway router) same (authenticat\$3 verif\$5) same (signature certificate) same (public adj key) same access\$4 and dhcp	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 15:02
S19	1115	@ad<"20030411" and ((base station) bsc access gateway router) and (((signature certificate) same (public adj key) same (provider manufactur\$4))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 13:09
S20	1087	@ad<"20030411" and (((base station) bsc access gateway router) same (access\$3 authenticat\$3 verif\$8)) and (((signature certificate) same (public adj key) same (provider manufactur\$4)))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 09:12
S21	640	@ad<"20030411" and (((base station) bsc gateway router) same (access\$3 authenticat\$3 verif\$8)) and (((signature certificate) same (public adj key) same (provider manufactur\$4)))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 09:13
S22	262	@ad<"20030411" and (((base station) bsc gateway router) same (access\$3 authenticat\$3 verif\$8)) and (((signature same certificate) same (public adj key) same (provider manufactur\$4)))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 09:19
S23	245	@ad<"20030411" and (((base station) bsc gateway router) same (access\$3 authenticat\$3 verif\$8)) and (((signature same certificate) same (public adj key) same (provider manufactur\$4)) not wasilewski.in.)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 09:19
S24	60	@ad<"20030411" and (((base adj station) bsc gateway router) same (access\$3 authenticat\$3 verif\$8)) and (((signature same certificate) same (public adj key) same (provider manufactur\$4)) not wasilewski.in.)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 09:19
S25	10	hind.in. and certificate and gateway	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 12:45
S26	156	@ad<"20030411" and (home adj pna)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 13:09
S27	47	@ad<"20030411" and (home adj pna) and (authenticat\$3 verif\$8)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 13:10

EAST Search History

S28	35	@ad<"20030411" and (home adj pna) and (authenticat\$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 18:18
S29	62	@ad<"20030411" and (home adj pna) and (display\$3 near5 (connect\$3 install\$6))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 18:29
S30	1016	@ad<"20030411" and ((connect\$3 attach\$3) near3 network) same (alert\$3 display\$3) same (permission authoriz\$6 accept\$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 08:56
S31	182	@ad<"20030411" and ((connect\$3 attach\$3) near3 network) same (alert\$3 display\$3) near5 (permission authoriz\$6 accept\$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 09:02
S32	3	@ad<"20030411" and ((connect\$3 attach\$3) near3 network) same (alert\$3 display\$3) near5 (permission authoriz\$6 accept\$3) and (bluetooth)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 08:56
S33	75	@ad<"20030411" and ((connect\$3 attach\$3) near3 network) same (alert\$3 display\$3) near5 (permission authoriz\$6)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 09:11
S34	0	@ad<"20030411" and ((connect\$3 attach\$3 associat\$3) near3 (access adj point)) same (alert\$3 display\$3) near5 (permission authoriz\$6)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 09:28
S35	4738	713/153,146,173,175,176.ccls. 726/10,27.ccls.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 15:10
S36	743	(713/153,146,173,175,176.ccls. 726/10,27.ccls.) and (certificate near3 (authenticat\$3 authoriz\$6))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 15:10
S37	317	(713/153,146,173,175,176.ccls. 726/10,27.ccls.) and (certificate near3 (authenticat\$3 authoriz\$6)) and ((network piconet) near4 access\$5)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 15:10
S38	17	((SANG-DO) near2 (PARK)).INV.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 15:11
S40	6	S38 and (gateway)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 15:16
S41	6	S38 and (service adj provider)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 15:16

EAST Search History

S42	1	S41 not S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 15:16
S43	1	S38 and pna	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 15:16


[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) | [Purchase History](#) | [Help](#)

Welcome United States Patent and Trademark Office

 Guest Search Results
[BROWSE](#)[SEARCH](#)[IEEE Xplore GUIDE](#)
 [e-mail](#)

Results for "(home gateway) <in> metadata"

Your search matched 66 of 1643271 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance** in **Descending** order.[Article Information](#)[View](#)1. **Home gateway architecture and its implementation**

Saito, T.; Tomoda, I.; Takabatake, Y.; Arni, J.; Teramoto, K.:

[Consumer Electronics, IEEE Transactions on](#)

Volume 46, Issue 4, Nov. 2000 Page(s):1161 - 1166

Digital Object Identifier 10.1109/30.920474

[Abstract](#) | [Full Text: PDF\(736 KB\)](#) IEEE JNL[Rights and Permissions](#)**Login**

Username

Password

» [Forgot your password?](#)

Please remember to log out
when you have finished your
session.

» **Key**

Indicates full text access

IEEE JNL	IEEE Journal or Magazine
IET JNL	IET Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IET CNF	IET Conference Proceeding
IEEE STD	IEEE Standard

3. **An Implementation of the Broadband Home Gateway supporting Multi-Channel IPTV Service**

Wan-Ki Park; Chang-Sik Choi; Dae-Young Kim; Youn-Kwac Jeong; Kwang-Ro Park;

[Consumer Electronics, 2005. \(ISCE 2005\). Proceedings of the Ninth International Symposium on](#)
14-16 June 2005 Page(s):285 - 290

Digital Object Identifier 10.1109/ISCE.2005.1502388

[Abstract](#) | [Full Text: PDF\(326 KB\)](#) IEEE CNF[Rights and Permissions](#)4. **Implementation of initial provisioning function for home gateway based on open service gateway init**Sang Ok; HoJin Park;
[Advanced Communication Technology, 2006. ICACT 2006. The 8th International Conference](#)
Volume 3, 20-22 Feb. 2006 Page(s):4 pp.[Abstract](#) | [Full Text: PDF\(3776 KB\)](#) IEEE CNF[Rights and Permissions](#)5. **Future Service Platform and Home Gateway**Takizawa, M.; Minato, T.; Furukawa, T.; Seki, K.; Shimada, H.;
[Information and Telecommunication Technologies, 2005. APSITT 2005. Proceedings. 6th Asia-Pacific Symposium](#)
09-10 Nov. 2005 Page(s):236 - 241[Abstract](#) | [Full Text: PDF\(272 KB\)](#) IEEE CNF[Rights and Permissions](#)6. **Convergence of broadcasting and communication in home network using an EPON-based home gate**Wan-Ki Park; Dae-Young Kim;
[Consumer Electronics, IEEE Transactions on](#)
Volume 51, Issue 2, May 2005 Page(s):485 - 493

Digital Object Identifier 10.1109/TCE.2005.1467991

[Abstract](#) | [Full Text: PDF\(450 KB\)](#) IEEE JNL

Rights and Permissions

7. **Integrated home gateway controller for home energy management system**
Kushiro, N.; Suzuki, S.; Nakata, M.; Takahara, H.; Inoue, M.;
Consumer Electronics, 2003. ICCE_2003 IEEE International Conference on
17-19 June 2003 Page(s):386 - 387
Digital Object Identifier 10.1109/ICCE.2003.1218986

[Abstract](#) | [Full Text: PDF\(232 KB\)](#) | [IEEE CNF](#)

Rights and Permissions

8. **A novel architecture of Home gateway for efficient packet process**
Kyoung-Youn Cho; Kwang-ho Choi;
Knowledge Media Networking, 2002. Proceedings. IEEE Workshop on
10-12 July 2002 Page(s):63 - 67
Digital Object Identifier 10.1109/KMN.2002.1115164

[Abstract](#) | [Full Text: PDF\(295 KB\)](#) | [IEEE CNF](#)

Rights and Permissions

9. **Home gateway architecture and its implementation**
Saito, T.; Tomada, I.; Takabatake, Y.; Ami, J.; Teramoto, K.;
Consumer Electronics, 2000. ICCE_2000 Digest of Technical Papers, International Conference on
13-15 June 2000 Page(s):194 - 195
Digital Object Identifier 10.1109/ICCE.2000.854579

[Abstract](#) | [Full Text: PDF\(160 KB\)](#) | [IEEE CNF](#)

Rights and Permissions

10. **Efficient video transcoding technique for QoS-based home gateway service**
Jae-Won Kim; Goo-Rak Kwon; Nam-Hyeong Kim; Morales, A.; Sung-Jae Ko;
Consumer Electronics, IEEE Transactions on
Volume 52, Issue 1, Feb. 2006 Page(s):129 - 137
Digital Object Identifier 10.1109/TCE.2006.1605037

[Abstract](#) | [Full Text: PDF\(453 KB\)](#) | [IEEE JNL](#)

Rights and Permissions

11. **An implementation of FTTH based home gateway supporting various services**
Wan-Ki Park; Sung-Il Nam; Chang-Sic Choi; Youn-Kwae Jeong; Kwang-Roh Park;
Consumer Electronics, IEEE Transactions on
Volume 52, Issue 1, Feb. 2006 Page(s):110 - 115
Digital Object Identifier 10.1109/TCE.2006.1605034

[Abstract](#) | [Full Text: PDF\(500 KB\)](#) | [IEEE JNL](#)

Rights and Permissions

12. **QoS-adjustable home gateway for IPTV service**
Sangjae Lee; Chunglae Cho; Intark Han;
Consumer Electronics, 2005. ICCE_2005 Digest of Technical Papers, International Conference on
8-12 Jan. 2005 Page(s):395 - 396
Digital Object Identifier 10.1109/ICCE.2005.1429884

[Abstract](#) | [Full Text: PDF\(1632 KB\)](#) | [IEEE CNF](#)

Rights and Permissions

13. **Design of the core modules for multimedia packet processing in a novel home gateway**
Young-Choong Park; Chan-su Yoon; Kwang-mo Jung; Sang-Won Min;
Communication Systems, 2002. ICCS_2002. The 8th International Conference on
Volume 2, 25-28 Nov. 2002 Page(s):952 - 956 vol.2
Digital Object Identifier 10.1109/ICCS.2002.1183274

[Abstract](#) | [Full Text: PDF\(408 KB\)](#) | [IEEE CNF](#)

Rights and Permissions

14. **Sample Page Evolution of Home Networks Enhanced by Broadband Service in the Next Generation Network**
Yokotani, T.; Motoshima, K.; Seno, S.; Kikuchi, K.;
Telecommunications Network Strategy and Planning Symposium, 2006. NETWORKS 2006. 12th International
Nov. 2006 Page(s):1 - 6
Digital Object Identifier 10.1109/NETWKS.2006.300388
[Abstract](#) | [Full Text: PDF\(4474 KB\)](#) | [IEEE CNF](#)
Rights and Permissions

15. **A Novel QoS Guaranteed Mechanism for Multicast Traffic Controls in the Home Network**
Min Ho Park; Yeonjoon Chung; Wan Ki Park; Eui Hyun Paik;
Consumer Electronics, 2006. ISCE '06. 2006 IEEE Tenth International Symposium on
2006 Page(s):1 - 6
Digital Object Identifier 10.1109/ISCE.2006.1689411
[Abstract](#) | [Full Text: PDF\(222 KB\)](#) | [IEEE CNF](#)
Rights and Permissions

16. **Design of a SIP-based real-time visitor communication and door control architecture using a home gateway**
Yeon-Joo Oh; Eui-Hyun Paik; Kwang-Roh Park;
Consumer Electronics, IEEE Transactions on
Volume 52, Issue 4, Nov. 2006 Page(s):1256 - 1260
Digital Object Identifier 10.1109/TCE.2006.273142
[Abstract](#) | [Full Text: PDF\(1304 KB\)](#) | [IEEE JNL](#)
Rights and Permissions

17. **UPnP AV architectural multimedia system with a home gateway powered by the OSGi platform**
Dong-Oh Kang; Kyuchang Kang; Sunggi Choi; Jeunwoo Lee;
Consumer Electronics, IEEE Transactions on
Volume 51, Issue 1, Feb. 2005 Page(s):87 - 93
Digital Object Identifier 10.1109/TCE.2005.1405704
[Abstract](#) | [Full Text: PDF\(962 KB\)](#) | [IEEE JNL](#)
Rights and Permissions

18. **Implementation of Home Gateway and GUI for Control the Home Appliance**
Dal-Hwan Yoon; Dong-Joo Bae; Hyun-Seok Ko; Hi Seok Kim;
Advanced Communication Technology, The 9th International Conference on
Volume 3, 12-14 Feb. 2007 Page(s):1583 - 1586
Digital Object Identifier 10.1109/ICACT.2007.358671
[Abstract](#) | [Full Text: PDF\(2743 KB\)](#) | [IEEE CNF](#)
Rights and Permissions

19. **Design of Health-Care Home Gateway (HCHG) over Digital Cable Television Network**
Ren-Guey Lee; Chien-Chih Lai; Shao-Shan Chiang;
Consumer Electronics, 2007. ICCE 2007. Digest of Technical Papers. International Conference on
10-14 Jan. 2007 Page(s):1 - 2
Digital Object Identifier 10.1109/ICCE.2007.341319
[Abstract](#) | [Full Text: PDF\(222 KB\)](#) | [IEEE CNF](#)
Rights and Permissions

20. **User authentication mechanism using authentication server in home network**
Yun-kyung Lee; Hong-il Ju; Jee-hye Park; Jong-wook Han;
Advanced Communication Technology, 2006. ICACT 2006. The 8th International Conference on
Volume 1, 20-22 Feb. 2006 Page(s):4 pp.
[Abstract](#) | [Full Text: PDF\(3520 KB\)](#) | [IEEE CNF](#)
Rights and Permissions

21. **An implementation of FTTH based home gateway supporting various services**
Wan-Ki Park; Sung-Il Nam; Chang-Sic Choi; Youn-Kwae Jeong; Kwang-Roh Park;
Consumer Electronics, 2006. ICCE '06. 2006 Digest of Technical Papers. International Conference on
7-11 Jan. 2006 Page(s):63 - 64
Digital Object Identifier 10.1109/ICCE.2006.1598311
[Abstract](#) | [Full Text: PDF\(2368 KB\)](#) | [IEEE CNF](#)
[Rights and Permissions](#)

22. **Design of a SIP-based real-time visitor conversation and door control architecture using a home gate**
Yeon-Joo Oh; Eui-Hyun Paik; Kwang-Roh Park;
Consumer Electronics, 2006. ICCE '06. 2006 Digest of Technical Papers. International Conference on
7-11 Jan. 2006 Page(s):187 - 188
Digital Object Identifier 10.1109/ICCE.2006.1598373
[Abstract](#) | [Full Text: PDF\(216 KB\)](#) | [IEEE CNF](#)
[Rights and Permissions](#)

23. **UPnP AV architectural multimedia system with a home gateway powered by the OSGi platform**
Dong-Oh Kang; Kyuchang Kang; Sung-Gi Choi; Jeunwoo Lee;
Consumer Electronics, 2005. ICCE. 2005 Digest of Technical Papers. International Conference on
8-12 Jan. 2005 Page(s):405 - 406
Digital Object Identifier 10.1109/ICCE.2005.1429889
[Abstract](#) | [Full Text: PDF\(1622 KB\)](#) | [IEEE CNF](#)
[Rights and Permissions](#)

24. **An EAA traffic conditioner in differential services home gateway**
Hsu-Jung Liu; Ma, T.-K.E.; Buh-Yun Sher; Wen-Shyong Hsieh;
Consumer Electronics, 2003. ICCE. 2003 IEEE International Conference on
17-19 June 2003 Page(s):384 - 385
Digital Object Identifier 10.1109/ICCE.2003.1218985
[Abstract](#) | [Full Text: PDF\(219 KB\)](#) | [IEEE CNF](#)
[Rights and Permissions](#)

25. **Gateway technologies for home network and their implementations**
Saito, T.; Tomoda, I.; Takabatake, Y.; Teramoto, K.; Fujimoto, K.;
Distributed Computing Systems Workshop, 2001 International Conference on
16-19 April 2001 Page(s):175 - 180
Digital Object Identifier 10.1109/CDCS.2001.918702
[Abstract](#) | [Full Text: PDF\(516 KB\)](#) | [IEEE CNF](#)
[Rights and Permissions](#)

View: [1-25](#) | [26-50](#) | [51-66](#)

[Help](#) [Contact Us](#) [Privacy](#)

© Copyright 2006 IEEE


[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) | [Purchase History](#) | [Help](#)

Welcome United States Patent and Trademark Office

 Guest Search Results[BROWSE](#)[SEARCH](#)[IEEE Xplore GUIDE](#) [e-mail](#)

Results for "(home gateway) <in> metadata"

Your search matched 66 of 1643271 documents.

A maximum of 66 results are displayed, 25 to a page, sorted by **Relevance in Descending order**.**Article Information**[View](#)**26. An SOA-Based Software Development Management System**

Ing-Yi Chen; Chao-Chi Huang;

[Web Intelligence, 2006, WI 2006, IEEE/WIC/ACM International Conference on](#)

Dec. 2006 Page(s):617 - 620

Digital Object Identifier 10.1109/WI.2006.39

[Abstract](#) | [Full Text: PDF\(317 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#)**Login**

Username

Password

» [Forgot your password?](#)

Please remember to log out
when you have finished your
session.

27. Implementation of the DLNA Proxy System for Sharing Home Media Contents

Jung-Tae Kim; Yeon-Joo Oh; Hoon-Ki Lee; Eui-Hyun Paik; Kwang-Roh Park;

[Consumer Electronics, IEEE Transactions on](#)

Volume 53, Issue 1, February 2007 Page(s):139 - 144

Digital Object Identifier 10.1109/TCE.2007.339515

[Abstract](#) | [Full Text: PDF\(1325 KB\)](#) [IEEE JNL](#)[Rights and Permissions](#)» **Key**

Indicates full text access

IEEE JNL IEEE Journal or Magazine**IET JNL** IET Journal or Magazine**IEEE CNF** IEEE Conference Proceeding**IET CNF** IET Conference Proceeding**IEEE STD** IEEE Standard**28. Mapping home-network appliances to TCP/IP sockets using a three-tiered home gateway architecture**

Corcoran, P.M.;

[Consumer Electronics, IEEE Transactions on](#)

Volume 44, Issue 3, Aug. 1998 Page(s):729 - 736

Digital Object Identifier 10.1109/30.713188

[Abstract](#) | [Full Text: PDF\(744 KB\)](#) [IEEE JNL](#)[Rights and Permissions](#)**29. Home network infrastructure for handheld/wearable appliances**

Corcoran, P.M.; Desbonnet, J.; Bigioi, P.; Lupu, I.;

[Consumer Electronics, IEEE Transactions on](#)

Volume 48, Issue 3, Aug. 2002 Page(s):490 - 495

Digital Object Identifier 10.1109/TCE.2002.1037033

[Abstract](#) | [Full Text: PDF\(999 KB\)](#) [IEEE JNL](#)[Rights and Permissions](#)**30. Management traffic in emerging remote configuration mechanisms for residential gateways and home**Nikolaidis, A.E.; Doumenis, G.A.; Stassinopoulos, G.I.; Drakos, M.-P.; Anastasopoulos, M.P.; D'Haeseleer, S
[Communications Magazine, IEEE](#)

Volume 43, Issue 5, May 2005 Page(s):154 - 162

Digital Object Identifier 10.1109/MCOM.2005.1453438

[Abstract](#) | [Full Text: PDF\(149 KB\)](#) [IEEE JNL](#)[Rights and Permissions](#)**31. IPv6 Experiments in Deploying and Accessing Services from Home Networks**

Silverajan, B.; Huhtanen, K.; Harju, J.;

[Communications, 2006, APCC '06, Asia-Pacific Conference on](#)

Aug. 2006 Page(s):1 - 5

Digital Object Identifier 10.1109/APCC.2006.255794

[Abstract](#) | [Full Text: PDF\(2659 KB\)](#) | [IEEE CNF](#)[Rights and Permissions](#)**32. Two Layered PKI Model for Device Authentication in Multi-Domain Home Networks**

Jin-Bum Hwang; Do-Woo Kim; Yun-Kyung Lee; Jong-Wook Han;

[Consumer Electronics, 2006. ISCE '06. 2006 IEEE Tenth International Symposium on](#)

2006 Page(s):1 - 6

Digital Object Identifier 10.1109/ISCE.2006.1689451

[Abstract](#) | [Full Text: PDF\(160 KB\)](#) | [IEEE CNF](#)[Rights and Permissions](#)**33. A media distribution system supporting priority-based QoS in a home network**

Sung-Gi Choi; Dong-Oh Kang; Jeun-Woo Lee;

[Advanced Communication Technology, 2006. ICACT 2006. The 8th International Conference](#)

Volume 3, 20-22 Feb. 2006 Page(s):5 pp.

[Abstract](#) | [Full Text: PDF\(4016 KB\)](#) | [IEEE CNF](#)[Rights and Permissions](#)**34. Residential HDTV distribution system using UWB and IEEE 1394**

Sangjae Lee; Jieun Kim; Youngae Jeon; Sangshung Choi;

[Consumer Electronics, 2006. ICCE '06. 2006 Digest of Technical Papers. International Conference on](#)

7-11 Jan. 2006 Page(s):41 - 42

Digital Object Identifier 10.1109/ICCE.2006.1598300

[Abstract](#) | [Full Text: PDF\(456 KB\)](#) | [IEEE CNF](#)[Rights and Permissions](#)**35. A complexity-aware live streaming system with bit rate adjustment**

Meng-Ting Lu; Chang-Kuan Lin; Yao, J.; Chen, H.;

[Multimedia, Seventh IEEE International Symposium on](#)

12-14 Dec. 2005 Page(s):7 pp.

Digital Object Identifier 10.1109/ISM.2005.4

[Abstract](#) | [Full Text: PDF\(608 KB\)](#) | [IEEE CNF](#)[Rights and Permissions](#)**36. H.264/MPEG-2 transcoding based on personal video recorder platform**

Jinghui Chu; Wei Lu; Yu Liu; Yuan Song; Xiaowei Song; Sile Yu;

[Consumer Electronics, 2005. \(ISCE 2005\). Proceedings of the Ninth International Symposium on](#)

14-16 June 2005 Page(s):438 - 440

Digital Object Identifier 10.1109/ISCE.2005.1502419

[Abstract](#) | [Full Text: PDF\(152 KB\)](#) | [IEEE CNF](#)[Rights and Permissions](#)**37. An architecture for component evolution**

Ryan, A.; Newmarch, J.;

[Consumer Communications and Networking Conference, 2005. CCNC. 2005 Second IEEE](#)

3-6 Jan. 2005 Page(s):498 - 503

Digital Object Identifier 10.1109/CCNC.2005.1405223

[Abstract](#) | [Full Text: PDF\(488 KB\)](#) | [IEEE CNF](#)[Rights and Permissions](#)**38. Scalable home network interaction model based on mobile agents**

Jecing-Joon Yoo; Dong-Ik Lee;

[Pervasive Computing and Communications, 2003. \(PerCom 2003\). Proceedings of the First IEEE International](#)

23-26 March 2003 Page(s):543 - 546

[Abstract](#) | [Full Text: PDF\(632 KB\)](#) | [IEEE CNF](#)

Rights and Permissions**39. Security issues in networked appliances and home gateways**

Pittsley, N.; Suandy, I.;

Networked Appliances, 2002, Liverpool, Proceedings, 2002 IEEE 5th International Workshop on
30-31 Oct. 2002 Page(s):35 - 38[Abstract](#) | [Full Text: PDF\(371 KB\)](#) [IEEE CNF](#)Rights and Permissions**40. Two-layer host blocking: caching the blocking decisions**

Chi-Hung Chi; Palit, H.;

Algorithms and Architectures for Parallel Processing, 2002, Proceedings, Fifth International Conference on
23-25 Oct. 2002 Page(s):464 - 470

Digital Object Identifier 10.1109/ICAPP.2002.1173619

[Abstract](#) | [Full Text: PDF\(294 KB\)](#) [IEEE CNF](#)Rights and Permissions**41. Wireless home network infrastructure for wearable appliances**

Corcoran, P.M.; Desbonnet, J.;

Consumer Electronics, 2002, ICCE, 2002 Digest of Technical Papers, International Conference on
18-20 June 2002 Page(s):104 - 105

Digital Object Identifier 10.1109/ICCE.2002.1013946

[Abstract](#) | [Full Text: PDF\(296 KB\)](#) [IEEE CNF](#)Rights and Permissions**42. Efficient service management in home gateway**

Elbassioni, K.; Beizhong Chen; Kamel, I.;

Networked Appliances, 2002, Gaithersburg, Proceedings, 2002 IEEE 4th International Workshop on
2002 Page(s):225 - 233

Digital Object Identifier 10.1109/IWNA.2001.980859

[Abstract](#) | [Full Text: PDF\(624 KB\)](#) [IEEE CNF](#)Rights and Permissions**43. Java translation scheme for consumer electronics home networks**

Haruna, S.; Taki, K.; Leichsenring, G.; Kanamaru, T.; Tominaga, N.;

Info-tech and Info-net, 2001, Proceedings, ICII 2001 - Beijing, 2001 International Conferences on
Volume 3, 29 Oct.-1 Nov. 2001 Page(s):220 - 225 vol.3

Digital Object Identifier 10.1109/ICII.2001.983059

[Abstract](#) | [Full Text: PDF\(621 KB\)](#) [IEEE CNF](#)Rights and Permissions**44. An adaptive algorithm for processing both periodic and aperiodic messages in intelligent home gateways**

Jingquan Li; Fei-Yue Wang;

Systems, Man, and Cybernetics, 2001 IEEE International Conference on
Volume 5, 7-10 Oct. 2001 Page(s):3479 - 3482 vol.5

Digital Object Identifier 10.1109/ICSMC.2001.972059

[Abstract](#) | [Full Text: PDF\(290 KB\)](#) [IEEE CNF](#)Rights and Permissions**45. Home gateway architecture for generic multimedia services**

Cucos, A.; Corcoran, P.M.; Bigoi, P.; Hanrahan, R.B.W.;

Consumer Electronics, 1999, ICCE, International Conference on
22-24 June 1999 Page(s):284 - 285

Digital Object Identifier 10.1109/ICCE.1999.785267

[Abstract](#) | [Full Text: PDF\(108 KB\)](#) [IEEE CNF](#)Rights and Permissions

46. Residential HDTV distribution system using UWB and IEEE 1394

Jieunn Kim; Sangjae Lee; Younghae Jeon; Sangsung Choi;
Consumer Electronics, IEEE Transactions on
Volume 52, Issue 1, Feb. 2006 Page(s):116 - 122
Digital Object Identifier 10.1109/TCE.2006.1605035

[Abstract](#) | [Full Text: PDF\(308 KB\)](#) | [IEEE JNL](#)

[Rights and Permissions](#)

47. The power to play [games consoles]

Froggatt, M.;
IEE Review
Volume 48, Issue 2, March 2002 Page(s):13 - 19

[Abstract](#) | [Full Text: PDF\(993 KB\)](#) | [IET JNL](#)

48. Pervasive Service Composition in the Home Network

Bottaro, Andre; Gerodolle, Anne; Lalanda, Philippe;
Advanced Information Networking and Applications, 2007. AINA '07. 21st International Conference on
21-23 May 2007 Page(s):596 - 603
Digital Object Identifier 10.1109/AINA.2007.112

[Abstract](#) | [Full Text: PDF\(696 KB\)](#) | [IEEE CNF](#)

[Rights and Permissions](#)

49. A Novel Multi-agent Framework for the Design of Home Automation

Chen, Wen-Hui; Tseng, Wen-Shang;
Information Technology, 2007. ITNG '07. Fourth International Conference on
2-4 April 2007 Page(s):277 - 281
Digital Object Identifier 10.1109/ITNG.2007.13

[Abstract](#) | [Full Text: PDF\(252 KB\)](#) | [IEEE CNF](#)

[Rights and Permissions](#)

50. P2P Middleware for Extending the Reach, Scale and Functionality of Content Delivery Networks

Pakkala, Daniel; Koivukoski, Aki; Paaso, Tuomas; Latvakoski, Juhani;
Internet and Web Applications and Services, 2007. ICIW '07. Second International Conference on
13-19 May 2007 Page(s):5 - 5
Digital Object Identifier 10.1109/ICIW.2007.46

[Abstract](#) | [Full Text: PDF\(857 KB\)](#) | [IEEE CNF](#)

[Rights and Permissions](#)

View: [1-25](#) | [26-50](#) | [51-66](#)

[Help](#) | [Contact Us](#) | [Privacy](#)

© Copyright 2006 IEEE


[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) | [Purchase History](#) | [Help](#)

Welcome United States Patent and Trademark Office

 Guest Search Results
[BROWSE](#)[SEARCH](#)[IEEE Xplore GUIDE](#)
 [e-mail](#)

Results for "(home gateway) <in> metadata"

Your search matched 66 of 1643271 documents.

A maximum of 66 results are displayed, 25 to a page, sorted by **Relevance** in **Descending** order.**Article Information**[View](#)**Login**

Username

Password


[» Forgot your password?](#)

Please remember to log out
when you have finished your
session.

» Key

Indicates full text access

IEEE JNL	IEEE Journal or Magazine
IET JNL	IET Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IET CNF	IET Conference Proceeding
IEEE STD	IEEE Standard

51. Standards-based User Interface Technology for Universal Home Domination

Liang-Yen Lin; Ming-Chun Cheng; Shyan-Ming Yuan;
[Hybrid Information Technology, 2006. ICHIT'06, Vol 2, International Conference on](#)
 Volume 2, Nov. 2006 Page(s):298 - 307
 Digital Object Identifier 10.1109/ICHIT.2006.253627
[Abstract](#) | [Full Text: PDF\(898 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

52. An UPnP based Media Distribution System supporting QoS in a Converged Home Network

Sung-Gi Choi; Dong-Oh Kang; Jeun-Woo Lee;
[Network Operations and Management Symposium, 2006. NOMS. 2006. 10th IEEE/IFIP](#)
 2006 Page(s):1 - 4
 Digital Object Identifier 10.1109/NOMS.2006.1687673

[Abstract](#) | [Full Text: PDF\(320 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)
53. A scheme using OPES for real-time translation services in digital home networks based on delivery rule

Il-Woo Lee; Ho-Jin Park; Kwang-Roh Park; Younghwan Choi; Sang-Ha Kim;
[Advanced Communication Technology, 2006. ICACT 2006, The 8th International Conference](#)
 Volume 3, 20-22 Feb. 2006 Page(s):4 pp.

[Abstract](#) | [Full Text: PDF\(3312 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)
54. Developments and Performance Evaluation of Digital-Home Service Delivery & Management System

Il-Woo Lee; Ho-Jin Park; Kwang-Roh Park; Sang-Ha Kim;
[Networking, International Conference on Systems and International Conference on Mobile Communications](#)
[Technologies, 2006. ICN/ICONSMCL 2006, International Conference on](#)
 23-29 April 2006 Page(s):23 - 23
 Digital Object Identifier 10.1109/ICNICONSMCL.2006.79

[Abstract](#) | [Full Text: PDF\(5256 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)
55. Security service framework for home network

Zhefan Jiang; Sangok Kim; Kanghee Lee; Hyunchul Bae; Sangwook Kim;
[Computer and Information Science, 2005. Fourth Annual ACIS International Conference on](#)
 2005 Page(s):233 - 238
 Digital Object Identifier 10.1109/ICIS.2005.112

[Abstract](#) | [Full Text: PDF\(272 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)
56. A Proposed Platform & Performance Estimation of Digital-Home Service Delivery/Management System

Il-Woo Lee; Ho-Jin Park; Kwang-Roh Park; Sang-Ha Kim;
[Information Technology: New Generations, 2006. ITNG 2006, Third International Conference on](#)
 10-12 April 2006 Page(s):713 - 719
 Digital Object Identifier 10.1109/ITNG.2006.15

[Abstract](#) | [Full Text: PDF\(4472 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#)**57. The home gateway initiative**

Moyer, S.;

[Consumer Communications and Networking Conference, 2006, CCNC 2006, 2006 3rd IEEE](#)
Volume 2, 8-10 Jan. 2006 Page(s):1280 - 1280[Abstract](#) | [Full Text: PDF\(124 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#)**58. An OSGi and agent based control system architecture for smart home**

Haitao Zhang; Fei-Yue Wang; Yunfeng Ai;

[Networking, Sensing and Control, 2005, Proceedings, 2005 IEEE](#)
19-22 March 2005 Page(s):13 - 18
Digital Object Identifier 10.1109/ICNSC.2005.1461152[Abstract](#) | [Full Text: PDF\(347 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#)**59. Implementation and performance evaluation of hardware accelerated IPsec VPN for the home gateway**

Min Ho Park; Min Jun Beom; Wan Ki Park; Youn Kwe Jeong; Eui Hyun Paik;

[Advanced Communication Technology, 2005, ICACT 2005, The 7th International Conference on](#)
Volume 2, 21-23 Feb. 2005 Page(s):1007 - 1010[Abstract](#) | [Full Text: PDF\(195 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#)**60. A service bundle authentication mechanism in the OSGi service platform**

Young-Gab Kim; Chang-Joo Moon; Dae-Ha Park; Doo-Kwon Baik;

[Advanced Information Networking and Applications, 2004, AINA 2004, 18th International Conference on](#)
Volume 1, 2004 Page(s):420 - 425 Vol.1
Digital Object Identifier 10.1109/AINA.2004.1283946[Abstract](#) | [Full Text: PDF\(290 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#)**61. A comparative study of pricing strategies for IP telephony**

Caesar, M.C.; Balaraman, S.; Ghosal, D.;

[Global Telecommunications Conference, 2000, GLOBECOM '00, IEEE](#)
Volume 1, 27 Nov.-1 Dec. 2000 Page(s):344 - 349 vol.1
Digital Object Identifier 10.1109/GLOCOM.2000.892027[Abstract](#) | [Full Text: PDF\(552 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#)**62. Reliable right management scheme in cable home network**

Eun-Jung Kwon; O-Hyung Kwon; Su-In Lee;

[Consumer Electronics, 2006, ICCE '06, 2006 Digest of Technical Papers, International Conference on](#)
7-11 Jan. 2006 Page(s):47 - 48
Digital Object Identifier 10.1109/ICCE.2006.1598303[Abstract](#) | [Full Text: PDF\(91 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#)**63. A framework to access networked appliances in wide area networks**

Rahman, M.; Braun, D.; Bushmitch, D.;

[Consumer Communications and Networking Conference, 2005, CCNC, 2005 Second IEEE](#)
3-6 Jan. 2005 Page(s):261 - 266
Digital Object Identifier 10.1109/CCNC.2005.1405180[Abstract](#) | [Full Text: PDF\(686 KB\)](#) [IEEE CNF](#)

[Rights and Permissions](#)**64. Design and networking considerations for FACE**

Tewari, A.; Iyer, R.; Tewari, V.;
Consumer Communications and Networking Conference, 2004. CCNC.2004. First IEEE
5-8 Jan. 2004 Page(s):471 - 476
Digital Object Identifier 10.1109/CCNC.2004.1286907

[Abstract](#) | [Full Text: PDF\(1555 KB\)](#) | [IEEE CNF](#)

[Rights and Permissions](#)

65. Experimental bridge LonWorks/sup /spl reg//UPnP/spl trade/1.0

Chemishkian, S.; Lund, J.;
Consumer Communications and Networking Conference, 2004. CCNC 2004. First IEEE
5-8 Jan. 2004 Page(s):400 - 405
Digital Object Identifier 10.1109/CCNC.2004.1286895

[Abstract](#) | [Full Text: PDF\(1471 KB\)](#) | [IEEE CNF](#)

[Rights and Permissions](#)

66. 2003 Digest of Technical Papers. International Conference on Consumer Electronics (Cat. No.03CH371)

Consumer Electronics, 2003. ICCE. 2003. IEEE International Conference on
17-19 June 2003

[Abstract](#) | [Full Text: PDF\(663 KB\)](#) | [IEEE CNF](#)

[Rights and Permissions](#)

[View: 1-25](#) | [26-50](#) | [51-66](#)

Indexed by
 Inspec®

[Help](#) | [Contact Us](#) | [Privacy](#)

© Copyright 2006 IEEE

IEEE Xplore®
RELEASE 2.4

Search Results

Results for "((('home gateway' <or> 'home network gateway') <and> (security <or> certificate))<in> title, abstract, keywords, author, journal, conference, publisher, page numbers, document type, subject terms, classification, and classification codes)"

Your search matched 10 of 1643271 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

Home | Login | Logout | Access Information | Alerts | Purchase History |

Welcome United States Patent and Trademark Office

BROWSE SEARCH IEEE XPLORER GUIDE

[e-mail](#)

» Search Options

[View Session History](#)

[New Search](#)

Modify Search

Check to search only within this results set

» Key

IEEE JNL	IEEE Journal or Magazine
IET JNL	IET Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IET CNF	IET Conference Proceeding
IEEE STD	IEEE Standard

Display Format: Citation Citation & Abstract

[view selected items](#) [Select All](#) [Deselect All](#)

1. **Security service framework for home network**
 Zhefan Jiang; Sangok Kim; Kanghee Lee; Hyunchul Bae; Sangwook Kim;
Computer and Information Science, 2005. Fourth Annual ACIS International Conference on
 2005 Page(s):233 - 238
 Digital Object Identifier 10.1109/ICIS.2005.112
[AbstractPlus](#) | Full Text: [PDF\(272 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

2. **Two Layered PKI Model for Device Authentication in Multi-Domain Home Networks**
 Jin-Bum Hwang; Do-Woo Kim; Yun-Kyung Lee; Jong-Wook Han;
Consumer Electronics, 2006. ISCE '06. 2006 IEEE Tenth International Symposium on
 2006 Page(s):1 - 6
 Digital Object Identifier 10.1109/ISCE.2006.1689451
[AbstractPlus](#) | Full Text: [PDF\(160 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

3. **An Implementation of the Broadband Home Gateway supporting Multi-Channel IPTV Service**
 Wan-Ki Park; Chang-Sic Choi; Youn-Kwe Jeong; Intark Han;
Consumer Electronics, 2006. ISCE '06. 2006 IEEE Tenth International Symposium on
 2006 Page(s):1 - 5
 Digital Object Identifier 10.1109/ISCE.2006.1689499
[AbstractPlus](#) | Full Text: [PDF\(522 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

4. **An architecture for component evolution**
 Ryan, A.; Newmarch, J.;
Consumer Communications and Networking Conference, 2005. CCNC. 2005 Second IEEE
 3-6 Jan. 2005 Page(s):498 - 503
 Digital Object Identifier 10.1109/CCNC.2005.1405223
[AbstractPlus](#) | Full Text: [PDF\(488 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

5. **Implementation of the DLNA Proxy System for Sharing Home Media Contents**
 Jung-Tae Kim; Yeon-Joo Oh; Hoon-Ki Lee; Eui-Hyun Paik; Kwang-Roh Park;
Consumer Electronics, IEEE Transactions on
 Volume 53, Issue 1, February 2007 Page(s):139 - 144
 Digital Object Identifier 10.1109/TCE.2007.339515

[AbstractPlus](#) | Full Text: [PDF\(1325 KB\)](#) IEEE JNL
[Rights and Permissions](#)

- 6. **User authentication mechanism using authentication server in home network**
Yun-kyung Lee; Hong-il Ju; Jee-hye Park; Jong-wook Han;
[Advanced Communication Technology, 2006. ICACT 2006. The 8th International Conference](#)
Volume 1, 20-22 Feb. 2006 Page(s):4 pp.
[AbstractPlus](#) | Full Text: [PDF\(3520 KB\)](#) IEEE CNF
[Rights and Permissions](#)

- 7. **Design of a SIP-based real-time visitor conversation and door control architecture using a h**
Yeon-Joo Oh; Eui-Hyun Paik; Kwang-Roh Park;
[Consumer Electronics, 2006. ICCE '06. 2006 Digest of Technical Papers. International Conference](#)
7-11 Jan. 2006 Page(s):187 - 188
Digital Object Identifier 10.1109/ICCE.2006.1598373
[AbstractPlus](#) | Full Text: [PDF\(216 KB\)](#) IEEE CNF
[Rights and Permissions](#)

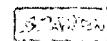
- 8. **2003 Digest of Technical Papers. International Conference on Consumer Electronics (Cat. No. 03CH37222)**
[Consumer Electronics, 2003. ICCE. 2003 IEEE International Conference on](#)
17-19 June 2003
[AbstractPlus](#) | Full Text: [PDF\(663 KB\)](#) IEEE CNF
[Rights and Permissions](#)

- 9. **Reliable right management scheme in cable home network**
Eun-Jung Kwon; O-Hyung Kwon; Su-In Lee;
[Consumer Electronics, 2006. ICCE '06. 2006 Digest of Technical Papers. International Conference](#)
7-11 Jan. 2006 Page(s):47 - 48
Digital Object Identifier 10.1109/ICCE.2006.1598303
[AbstractPlus](#) | Full Text: [PDF\(91 KB\)](#) IEEE CNF
[Rights and Permissions](#)

- 10. **A framework to access networked appliances in wide area networks**
Rahman, M.; Braun, D.; Bushmitch, D.;
[Consumer Communications and Networking Conference, 2005. CCNC. 2005. Second IEEE](#)
3-6 Jan. 2005 Page(s):261 - 266
Digital Object Identifier 10.1109/CCNC.2005.1405180
[AbstractPlus](#) | Full Text: [PDF\(686 KB\)](#) IEEE CNF
[Rights and Permissions](#)


[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)
[Search: The ACM Digital Library](#) [The Guide](#)

'home gateway'



THE ACM DIGITAL LIBRARY


[Feedback](#) [Report a problem](#) [Satisfaction survey](#)
Terms used: **'home gateway'**

Found 31 of 211,032

Sort results by relevance

[Save results to a Binder](#)
[Try an Advanced Search](#)

Display results expanded form

[Search Tips](#)
[Try this search in The ACM Guide](#)
 [Open results in a new window](#)

Results 1 - 20 of 31

Result page: 1 2 [next](#)

Relevance scale



1 Next generation games: Wireless sensor network based mobile pet game

Liang Liu, Huadong Ma

October 2006 **Proceedings of 5th ACM SIGCOMM workshop on Network and system support for games NetGames '06**

Publisher: ACM Press

Full text available: [pdf\(710.24 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Wireless sensor network offers an opportunity to introduce different kinds of physical data into mobile pet games, which enriches recreational elements and practical elements in mobile pet games. Motivated by this, we propose a novel architecture for integrating sensor networks into mobile pet game. In particular, we utilize an environment aware self-reconfiguration mechanism to build a mobile pet gaming platform. This mechanism can effectively support task reconfiguration on each sensor node ...

Keywords: gaming platform, mobile pet game, reconfiguration, wireless sensor networks



2 Host migration transparency in IP networks: the VIP approach

Fumio Teraoka, Mario Tokoro

January 1993 **ACM SIGCOMM Computer Communication Review**, Volume 23 Issue 1

Publisher: ACM Press

Full text available: [pdf\(1.09 MB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Increasing portability of computers will require users in the future to access the network regardless of location. Host migration transparency will be an essential feature of wide area network environments. We proposed the concept of *virtual network* and the *propagating cache method* to achieve host migration transparency [12]. We also established the feasibility of Virtual Internet Protocol (VIP), derived from Internet Protocol (IP), as an example of a virtual network protocol. In t ...



3 An SOA-Based Software Development Management System

Ing-Yi Chen, Chao-Chi Huang

December 2006 **Proceedings of the 2006 IEEE/WIC/ACM International Conference on Web Intelligence WI '06**

Publisher: IEEE Computer Society

Full text available: [pdf\(324.62 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The object of the research was to develop a deployment management framework that supported dynamic reconfiguration for home gateway services. This system uses a Service

Oriented Architecture (SOA) that contains four subsystems. These include: a management agent, a deployment management server, a process management module, and an operation portal. The architecture of this system not only improves the efficiency of application delivery, but also provides a platform that can effectively support pro ...

Keywords: Deployment Management, Home Gateway, Service-Oriented Architecture, OSGi

4 Issues in satellite personal communication systems

Erich Lutz

February 1998 **Wireless Networks**, Volume 4 Issue 2

Publisher: Kluwer Academic Publishers

Full text available:  pdf(742.57 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In the paper various issues in personal satellite communications are addressed. Basic geostationary and non-geostationary satellite constellations are considered. The narrowband and wideband characterization of the mobile satellite channel and related system implications are discussed. Satellite diversity is presented as a measure to overcome signal shadowing. The capacity of TDMA and CDMA multiple access is estimated, taking into account co-channel interference. Various network issues, suc ...

5 A software infrastructure for supporting spontaneous and personalized interaction in home computing environments

Tatsuo Nakajima, Ichiro Satoh

September 2006 **Personal and Ubiquitous Computing**, Volume 10 Issue 6

Publisher: Springer-Verlag

Full text available:  pdf(459.60 KB) Additional Information: [full citation](#), [abstract](#)

Our daily lives are expected to change dramatically due to the popularity of ubiquitous computing technologies. These will make it possible to integrate various aspects of our lives. However, a new approach is required to seamlessly deal with devices embedded in our environments. Future embedded systems will embody a new approach that will take into account a variety of new issues, for example, spontaneous interaction, personalization, privacy protection, and interoperability. In this paper, we ...

Keywords: Appliance coordination, Home computing, Personal devices, Personalization, Spontaneous interaction

6 Pervasive Servers: A framework for creating a society of appliances

Tatsuo Nakajima

July 2003 **Personal and Ubiquitous Computing**, Volume 7 Issue 3-4

Publisher: Springer-Verlag

Full text available:  pdf(352.36 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The paper proposes a framework to support spontaneous interaction among information appliances in our daily computing environments by creating a society of appliances. Our framework, that we call Pervasive Servers, embeds micro-servers called stationary pervasive servers everywhere. Also, a personal pervasive server that is carried by each person coordinates the embedded servers that are near to the person. The framework is very attractive because it is easy to personalise the coordination accor ...

Keywords: Appliances, Software infrastructure, Spontaneous interaction

7 A measurement analysis of Internet traffic over frame relay

 Judith L. Jenkins, John Monroe, Jonathan L. Wang
September 1999 **ACM SIGMETRICS Performance Evaluation Review**, Volume 27 Issue 2

Publisher: ACM Press

Full text available:  pdf(1.09 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Various approaches have been proposed and implemented to relieve the congestion in the Public Switched Telephone Networks (PSTNs) induced by recent meteoric growth of Internet services. The Internet/Intranet Transport Service (IITS) offered by the Southwestern Bell Telephone (SWBT) Company provides an example of one such implementation which off-loads the long-holding time data traffic from PSTNs to a packet technology (in this case Frame Relay). This paper describes analysis of 1997 IITS traffic ...

8 Gadgets '06: Point, push, pull: the FAU interface

 Akio Yoshioka, Hiroyuki Toki, Noboru Takahashi, Shunji Ito
July 2006 **Interactions**, Volume 13 Issue 4

Publisher: ACM Press

Full text available:  pdf(277.03 KB)  html (12.07 KB) Additional Information: [full citation](#), [index terms](#)

9 Analysis of wireless networks: tools and techniques: An integrated mobile

 surveillance and wireless sensor (iMouse) system and its detection delay analysis
Yu-Chee Tseng, You-Chiun Wang, Kai-Yang Cheng

October 2005 **Proceedings of the 8th ACM international symposium on Modeling, analysis and simulation of wireless and mobile systems MSWiM '05**

Publisher: ACM Press

Full text available:  pdf(1.49 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Wireless sensor networks (WSN) provide an inexpensive and convenient way to monitor physical environments. Integrating the context-aware capability of WSN into surveillance systems is an attractive direction. We thus propose an *integrated mobile surveillance and wireless sensor (iMouse) system*, which consists of a large number of inexpensive static sensors and a small number of more expensive mobile sensors. The fo ...

Keywords: pervasive computing, robotics, surveillance system, wireless communication, wireless sensor network

10 Software design, languages and systems: Customizing model-view-controller design

 pattern for Web controlled household appliances and devices

Stefan Dimov, Vikas Vyas, Mike Schardt, Abdullah Faruque, Susrutha Narla, Haihua Fu
March 2005 **Proceedings of the 43rd annual Southeast regional conference - Volume 2 ACM-SE 43**

Publisher: ACM Press

Full text available:  pdf(564.99 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The tendency is that in the next few years the number of networked home appliances will increase. These appliances will be accessed remotely either directly or through a home gateway. Many different manufacturers produce home appliances using different hardware platforms. At the same time, the user interface and the logical operation of appliances of the same class are the same to some extend, even when the appliances are produced from different manufacturers. This paper presents generalized syste ...

Keywords: design patterns, graduate, software engineering

11 Power line communication network trial and management in Korea

Jae-Jo Lee, Choong Seon Hong, Joon-Myung Kang, James Won-Ki Hong
November 2006 **International Journal of Network Management**, Volume 16 Issue 6

Publisher: John Wiley & Sons, Inc.

Full text available:  pdf(1.33 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Power line communication (PLC) has become an important network access technology to conveniently and effectively provide various useful services such as remote meter reading, broadband Internet access, and home networking services. As the deployment and use of PLC networks increase, it is essential that we need to be able to configure, monitor, and control the PLC network resources. In this paper, we present an overview of PLC network technology and describe a trial PLC network and its deployment ...

12 Wireless broadband services and network management system in KT

Dong-Hyun Lee, Hwan-Joong Lee, Young-Woo Lee, Dong-Houn Shin
November 2006 **International Journal of Network Management**, Volume 16 Issue 6

Publisher: John Wiley & Sons, Inc.

Full text available:  pdf(778.41 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

As mobile devices such as laptops and PDAs are becoming widely available, customers' needs for portable Internet services are increasing. KT has been preparing to launch a WiBro (Mobile WiMax) service that is a high-speed, low-cost, wireless Internet service based on the IEEE 802.16e standard. WiBro Network Management System (WiBro-NMS) has also been developed for the integrated management of WiBro network elements such as ACR, L2 switch, RAS and repeater. Because there is no standard management ...

13 Session 29: panel design challenges for next-generation multimedia, game and

entertainment platforms: Design challenges for next-generation multimedia, game and entertainment platforms

J. Cohn, J.-T. Kong, C. Malachowsky, R. Tobias

July 2006 **Proceedings of the 43rd annual conference on Design automation DAC '06**

Publisher: ACM Press

Full text available:  pdf(125.19 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Modern multimedia, gaming and entertainment devices epitomize high-growth, consumer-driven applications for silicon. 2006 has been a year that launched several high-profile gaming systems, and major changes in home networking. This year has also witnessed the emergence of the digital home and the ePC, as well as continued struggles for control of the home gateway. Mobile-digital convergence has continued with the fusion of media, telephony, and digital-mobile TV. The industry's ability to rapidly ...

Keywords: design methodology, entertainment, gaming, multimedia

14 Security Service Framework for Home Network

Zhefan Jiang, Sangok Kim, Kanghee Lee, Hyunchul Bae, Sangwook Kim

July 2005 **Proceedings of the Fourth Annual ACIS International Conference on Computer and Information Science (ICIS'05) - Volume 00 ICIS '05**

Publisher: IEEE Computer Society

Full text available:  Publisher Site Additional Information: [full citation](#), [abstract](#), [index terms](#)

Home networking is the collection of elements that process, manage, transport, and store information, enabling the connection and integration of multiple computing, control,

monitoring, and communication devices in the home. Home computers and communication devices connected to the Internet are exposed to attacks and need to be secured. In order to protect home network from attacks, we proposed a security service framework in home gateway. Security service framework for Home Network implemented ...

15 A new generation of multi-service access networks: results of MUSE phase I 

 Peter Vetter, François Fredricx, Benoit De Vos, Edith Gilon, Kare Gustafsson, Jeroen Wellen, Michel Borgne, Les Humphrey, Alex De Smedt, Rob van den Brink
September 2006 **Proceedings of the 1st international conference on Access networks AcessNets '06**

Publisher: ACM Press

Full text available:  pdf(89.57 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The paper gives a survey of the major results achieved by the European MUSE project during its first phase. The research covers multi service access architectures, first mile solutions, residential gateways and their integration in end-to-end lab trials.

Keywords: access networks, broadband, lab trials, network architecture

16 Building a next-generation residential gateway 

Alexander Sirotkin

August 2007 **Linux Journal**, Volume 2007 Issue 160

Publisher: Specialized Systems Consultants, Inc.

Full text available:  html(30.67 KB) Additional Information: [full citation](#), [abstract](#)

So you want a residential gateway?

17 Ontology and application to improve dynamic bindings in mobile distributed systems 

 Ben Falchuk, Dave Marples

August 2006 **Proceedings of the 2nd annual international workshop on Wireless internet WICON '06**

Publisher: ACM Press

Full text available:  pdf(302.30 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In mobile, component-based, distributed systems, computing environments utilize software components on an ad hoc, as-needed basis. In such systems, software components must register and announce not only their presence but also their functionality while client components must express their needs for these other components. The binding machinery should intelligently match clients to candidates. Finally, human users of high-level services -- whose underlying components are invisibly involved in ...

Keywords: application platforms and middleware, applications and services for mobile users, component based systems, ontology

18 Autonomic computing: Functionality configuration for eHome systems 

 Ulrich Norbisrath, Christof Mosler

October 2006 **Proceedings of the 2006 conference of the Center for Advanced Studies on Collaborative research CASCON '06**

Publisher: ACM Press

Full text available:  pdf(558.97 KB)  html(1.64 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

New developments and decreasing costs of electronic appliances enable the realization of pervasive systems in our daily environment. In our work, we focus on eHome systems. The price of individual development and adaption of the software making up these systems is one of the major problems preventing their large-scale adoption. In this paper, we introduce an approach built upon functionality composition for automatic service configuration in different environments. We transform the repetitive de ...

19 Embedded systems: applications, solutions and techniques (EMBS): QoS support for 

 **IEEE-1394 requests**

Chih-Yuan Huang, Tei-Wei Kuo, Ai-Chun Pang

April 2006 **Proceedings of the 2006 ACM symposium on Applied computing SAC '06**

Publisher: ACM Press

Full text available:  pdf(128.29 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

IEEE-1394 is widely adopted in various commercial products for computing, communication, and entertainment. Although many services with Quality of Service (QoS) supports are now available in systems over IEEE-1394, little work is done for QoS-based resource allocation. In this paper, we aim at the design of a bandwidth reservation mechanism and its policy for isochronous requests, such as those from cameras. We then address the QoS support issue for asynchronous requests, such as those from disk ...

Keywords: I/O subsystem, IEEE-1394, quality-of-service, real-time

20 Editorial zone: Challenges in peer-to-peer gaming 

 **Christoph Neumann, Nicolas Prigent, Matteo Varvello, Kyoungwon Suh**

January 2007 **ACM SIGCOMM Computer Communication Review**, Volume 37 Issue 1

Publisher: ACM Press

Full text available:  pdf(98.56 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

While multi-player online games are very successful, their fast deployment suffers from their server-based architecture. Indeed, servers both limit the scalability of the games and increase deployment costs. However, they make it easier to control the game (e.g. by preventing cheating and providing support for billing). Peer-to-peer, i.e. transfer of the game functions on each each player's machine, is an attractive communication model for online gaming. We investigate here the challenges of pee ...

Keywords: overlay online-gaming, peer-to-peer, security

Results 1 - 20 of 31

Result page: **1** [2](#) [next](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)


[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)
Search: The ACM Digital Library The Guide

'home gateway'



THE ACM DIGITAL LIBRARY

[Feedback](#) [Report a problem](#) [Satisfaction survey](#)
Terms used: **'home gateway'**

Found 31 of 211,032

Sort results by relevance

 Save results to a Binder[Try an Advanced Search](#)

Display results expanded form

 Search Tips[Try this search in The ACM Guide](#) Open results in a new window

Results 21 - 31 of 31

Result page: previous 1 2

Relevance scale

21 Multiprocessor SoC MPSoC solutions/nightmare: The future of multiprocessor systems-on-chips

Wayne Wolf

June 2004 **Proceedings of the 41st annual conference on Design automation DAC '04**

Publisher: ACM Press

Full text available: [pdf\(58.72 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper surveys the state-of-the-art and pending challenges in MPSoC design. Standards in communications, multimedia, networking, and other areas encourage the development of high-performance platforms that can support a range of implementations of the standard. A multiprocessor system-on-chip includes embedded processors, digital logic, and mixed-signal circuits combined into a heterogeneous multiprocessor. This mix of technologies creates a major challenge for MPSoC design teams. We will lo ...

Keywords: MPSoC, embedded software, low power, real-time, system-on-chip

22 Proceedings - only: Position paper: the role of platforms and operating systems in supporting home networks

Nigel Davies, Pierre-Guillaume Raverdy

September 2000 **Proceedings of the 9th workshop on ACM SIGOPS European workshop: beyond the PC: new challenges for the operating system EW '9**

Publisher: ACM Press

Full text available: [pdf\(37.75 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

As researchers look beyond the PC there is increasing interest in developing and deploying sophisticated home networks. Such networks might allow the seamless integration of information and services produced both within the home and externally, enabling applications such as the purchase of on-line AV content, tight coupling between kitchen sensors and "Web Van" order forms, and home remote control. From a manufacturers perspective, particularly those manufacturers traditionally associated with b ...

23 Focus on embedded systems

Rick Lehrbaum

August 2001 **Linux Journal**, Volume 2001 Issue 88

Publisher: Specialized Systems Consultants, Inc.

Full text available: [pdf](#) html(10.84 KB) Additional Information: [full citation](#), [index terms](#)

24 Focus on embedded systems: Linux at the embedded systems conference 

Rick Lehrbaum

July 2001 **Linux Journal**, Volume 2001 Issue 87

Publisher: Specialized Systems Consultants, Inc.

Full text available: [pdf](#) html(13.73 KB) Additional Information: [full citation](#), [index terms](#)

25 Hardware/software instruction set configurability for system-on-chip processors 

 Albert Wang, Earl Killian, Dror Maydan, Chris Rowen

June 2001 **Proceedings of the 38th conference on Design automation DAC '01**

Publisher: ACM Press

Full text available: [pdf](#) pdf(156.09 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

New application-focused system-on-chip platforms motivate new application-specific processors. Configurable and extensible processor architectures offer the efficiency of tuned logic solutions with the flexibility of standard high-level programming methodology. Automated extension of processor function units and the associated software environment - compilers, debuggers, simulators and real-time operating systems - satisfies these needs. At the same time, designing at the level of softwa ...

26 Securing the drop-box architecture for assisted living 

 Michael J. May, Wook Shin, Carl A. Gunter, Insup Lee

November 2006 **Proceedings of the fourth ACM workshop on Formal methods in security FMSE '06**

Publisher: ACM Press

Full text available: [pdf](#) pdf(490.78 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Home medical devices enable individuals to monitor some of their own health information without the need for visits by nurses or trips to medical facilities. This enables more continuous information to be provided at lower cost and will lead to better healthcare outcomes. The technology depends on network communication of sensitive health data. Requirements for reliability and ease-of-use provide challenges for securing these communications. In this paper we look at protocols for the drop-box ...

Keywords: *assisted living, formal methods, formal verification, home health monitoring, security protocol verification*

27 Staying connected: Home turf 

 Meg McGinity Shannon

September 2006 **Communications of the ACM**, Volume 49 Issue 9

Publisher: ACM Press

Full text available: [pdf](#) pdf(62.51 KB) [html](#) html(13.56 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Service providers are building their networks right to your door---that is, your den, your bedroom, and your kitchen.

28 Testing I: Blowtorch: a framework for firewall test automation 

Daniel Hoffman, Kevin Yoo

November 2005 **Proceedings of the 20th IEEE/ACM international Conference on Automated software engineering ASE '05**

Publisher: ACM Press

Full text available: [pdf\(127.60 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Firewalls play a crucial role in network security. Experience has shown that the development of firewall rule sets is complex and error prone. Rule set errors can be costly, by allowing damaging traffic in or by blocking legitimate traffic and causing essential applications to fail. Consequently, firewall testing is extremely important. Unfortunately, it is also hard and there is little tool support available. Blowtorch is a C++ framework for firewall test generation. The central construct is the ...

Keywords: automated testing, capture/replay, covering array, network firewall, production grammar

29 Strategies for teaching wireless computing: Teaching wireless security for results 

Bruce Hartpence

October 2005 **Proceedings of the 6th conference on Information technology education SIGITE '05**

Publisher: ACM Press

Full text available: [pdf\(191.06 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Wireless networking, and especially wireless security, has become an increasingly important area of study for our students. To this end, we have developed a third course in our wireless sequence called Security of Wireless Networks. We have provided the students with a fast paced and interesting lab environment in which they can deploy the various techniques they have learned in lecture. To ensure that the students obtain what is necessary to survive as a wireless networking professional, we hav ...

Keywords: attack/defend, teaching, wireless security

30 Infrastructure et composants III: Open-service-platform instrumentation: JMX 

management over OSGI

Stéphane Frénot, Dan Stefan

June 2004 **Proceedings of the 1st French-speaking conference on Mobility and ubiquity computing UbiMob '04**

Publisher: ACM Press

Full text available: [pdf\(145.35 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Pervasive computing tries to narrow computer devices to the enduser in order to simplify access to his services. This trends currently visible in game online (Xbox live) or with the convergence between phone/internet/numeric television (freebox) is only made available by independent providers that works at defining closed platforms. Opening those " service platforms " leads to many problems when considering exploitation of those services by multiple providers. In this article, we will ...

Keywords: JMX, OSGi, administration, instrumentation, middleware, open service platforms

31 Proceedings of the 2004 ACM workshop on Next-generation residential broadband 

challenges

Roger Zimmermann, Seon Ho Kim

October 2004 proceeding

Publisher: ACM Press

Additional Information: [full citation](#), [abstract](#)

It is our great pleasure to welcome you to the 1st ACM Workshop on Next-Generation Residential Broadband Challenges - NRBC 2004. This is the first workshop held in conjunction with the ACM Multimedia conference that provides a forum for the presentation of research results and vision papers on leading edge issues related to next-generation residential broadband deployment. These emerging networks allow very high speed home and business connectivity at prices not much above current broadband ...

Results 21 - 31 of 31

Result page: [previous](#) [1](#) [2](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)



[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

Search: The ACM Digital Library The Guide

'home network gateway'



Nothing Found

Your search for '**home network gateway**' did not return any results.

You may want to try an [Advanced Search](#) for additional options.

Please review the [Quick Tips](#) below or for more information see the [Search Tips](#).

Quick Tips

- Enter your search terms in lower case with a space between the terms.

sales offices

You can also enter a full question or concept in plain language.

Where are the sales offices?

- Capitalize proper nouns to search for specific people, places, or products.

John Colter, Netscape Navigator

- Enclose a phrase in double quotes to search for that exact phrase.

"museum of natural history" "museum of modern art"

- Narrow your searches by using a + if a search term must appear on a page.

museum +art

- Exclude pages by using a - if a search term must not appear on a page.

museum -Paris

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

museum +"natural history" dinosaur -Chicago

Useful downloads: [!\[\]\(e98fe3539845e3adab171914dbd47898_img.jpg\) Adobe Acrobat](#) [!\[\]\(371374f09e57b9e67e05df45c01ab4dc_img.jpg\) QuickTime](#) [!\[\]\(94da9dc50efb8360538eeb6d0d6ceca5_img.jpg\) Windows Media Player](#) [!\[\]\(a18315c04d54f2eb8852c73570751a85_img.jpg\) Real Player](#)